

IN THE CLAIMS:

Please cancel without prejudice Claim 9.

Please amend the Claims as follows:

1. (Amended) A fluid control/mixing valve for use with at least two fluid supplies, said valve including:

a valve body;

a first disk member defining at least two first [apertures] through-apertures, each corresponding to and communicating with a respective one of the at least two [corresponding] fluid supplies [or outlets]; and

a second disk member defining at least one second [apertures] through-aperture;

wherein the first and second disk members are arranged in sealing contact and are variably alignable in a coaxial, constrained manner, so that the first and second [apertures] through-apertures are, in turn, variably alignable such that fluid may flow through the at least two first [apertures] through-apertures only when there is an overlap between first and second [apertures,] through-apertures; and

wherein variable alignment of the first and second disk members is brought about by relative rotation thereof;

[such that] whereby the [flow] flow rate through [the or each] at least one of the second [aperture] through-apertures may be varied by variable coaxial alignment of the first and second [apertures] through-apertures; and

whereby the mix of the at least two fluid supplies which flows through at least one of the second through-apertures may also be varied by variable coaxial alignment of the first and second through-apertures .

7. (Twice Amended) A fluid control valve as claimed in Claim 1, wherein the [or each] at least two first [aperture] through-apertures is substantially sector shaped.

8. (Twice Amended) A fluid control valve as claimed in Claim 1, wherein the [or each] at least one second [aperture] through-aperture is substantially sector shaped.

11. (Twice Amended) A valve as claimed in Claim 1, wherein the [second disk member is substantially in the form of a disk having one or more removed sector(s)] at least one second through-aperture is formed by one or more open-ended cut-out sections of said second disk member.

12. (Twice Amended) A valve as claimed in Claim 1, wherein the at least one first through-aperture comprises one or more enclosed interior openings formed from [first disk member is substantially of the form of a disk having] at least one [removed] interior region being removed from said disk.

13. (Twice Amended) A valve as claimed in Claim 1 further including a pipe having an internal bore into which the first disk member sealingly fits such that fluid is constrained to passing only through the [inlet apertures] at least two first through-apertures.

14. (Twice Amended) A valve as claimed in Claim 1 further including at least one electric motor arranged to actuate the relative alignment of the first and second disk members.

15. (Amended) A fluid control/mixing valve communicating with at least two fluid supplies, including:

at least two valve subunits, each subunit including a first disk member having at least one first [apertures] through-aperture and a second disk member having at least [one] second [apertures] through-aperture, and leading to one outlet, and wherein fluid flow from the at least one first [aperture] through-aperture is controllable by variable coaxial, constrained alignment of the first and second disk members brought about by relative rotation thereof;

at least one electric motor arranged to actuate the variable alignment of first and second disk members for one or more valve subunits simultaneously and in a manner adapted to control and provide a specified fluid characteristic; and

an outlet manifold having one or more manifold outlets.

16. (Twice Amended) A valve as claimed in Claim [13] 14, wherein the at least one electric motor is a stepper motor.

17. (Amended) A valve as claimed in Claim 15, including at least one gear to facilitate the actuation for variable alignment of the first and second disk members.

18. (Twice Amended) A valve as claimed in Claim 15 further including a controller to control the at least one electric motor and thereby the flow from [the or] each of the first [apertures] through-apertures.

19. (Amended) A valve as claimed in Claim [17] 18, wherein the controller includes a microcontroller.

21. (Amended) A valve as claimed in Claim [19] 20, wherein the controller is arranged to control the flow from [the or] each of the first [apertures] through-apertures and to receive information from the at least one sensor to control at least one of the at least one parameter of fluid leaving the valve.

22. (Twice Amended) A valve as claimed in Claim [19] 20, wherein the at least one given parameter includes temperature information.

23. (Twice Amended) A valve as claimed in [any one of] Claim [19] 18, wherein the controller is arranged suitably to estimate flow taking into account at least the position of the stepper motor.

24. (Twice Amended) A valve as claimed in Claim 1, further including an outlet manifold having two or more manifold outlets.

25. (Amended) A valve as claimed in Claim [23] 24, wherein the one or more manifold outlets include valves to allow or prevent flow from the respective manifold outlets.

26. (Twice Amended) A valve as claimed in Claim [19] 21, including a user interface adapted to receive information on the at least one parameter of fluid leaving the valve.

27. (Twice Amended) A fluid control valve as claimed in Claim 1, including a single first [apertures] through-apertures and at least two second [apertures] through-apertures arranged such that variable alignment of the first and second members allows variable diversion of fluid through each of the at least two second [apertures] through-apertures.

28. (Amended) A fluid control valve including:
at least two outlets;
at least two fluid control valves as claimed in Claim 26, wherein one second [apertures] through-apertures of each fluid control valve communicates with one or the other of the two outlets.

Please add the following new Claims:

33. A fluid control valve as claimed in Claim 8, wherein said second disk has an open-ended cut-out section defining each of the second through-apertures.

34. A fluid control/mixing valve for use with at least two fluid supplies, said valve including:

a valve body;

a first disk member defining at least two first through-apertures, each corresponding to and communicating with a respective one of the at least two fluid supplies; and

a second disk member having at least one open-arc sectorial portion defining at least one second through-aperture;

wherein the first and second disk members are arranged in sealing contact and are variably alignable in a coaxial, constrained manner, so that the first and